

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: D. Brian Ballard, P.E.

GENERAL INFORMATION:

| | |
|----------------------------|--|
| Name: | Progress Rail Services Corporation |
| Address: | 425 Progress Rail Road Mayfield, KY 42066 |
| Date application received: | 10/03/2007 |
| SIC Code/SIC description: | 4789, Transportation Services, NEC |
| Source ID: | 21-083-00052 |
| Source A.I. #: | 96472 |
| Activity ID: | APE20070003 |
| Permit: | V-07-022 (Revision 1) |

APPLICATION TYPE/PERMIT ACTIVITY:

| | |
|---|---|
| <input type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input checked="" type="checkbox"/> Permit modification | <input type="checkbox"/> Conditional major |
| __Administrative | <input checked="" type="checkbox"/> Title V |
| <u>X</u> Minor | <input checked="" type="checkbox"/> Synthetic minor |
| __Significant | <input checked="" type="checkbox"/> Operating |
| <input type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

| | |
|--|---|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

| | | |
|--|---|---|
| <input type="checkbox"/> NSR | <input type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input checked="" type="checkbox"/> Other: Promulgated CTG RACT |
| <input type="checkbox"/> Netted out of PSD/NSR | <input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b) | |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

| Pollutant | Actual (tpy) | Potential (tpy) | Allowable (tpy) |
|-------------------------------------|--------------|-----------------|-----------------|
| PM/PM ₁₀ | 8.5 | 19 | N/A |
| SO ₂ | 2.2 | 5.4 | N/A |
| NO _x | 245 | 600 | 245 |
| CO | 26 | 61 | N/A |
| VOC | 33 | 65 | N/A |
| | | | |
| Single HAPs | | | |
| Chromium Compounds | 0.00015 | 0.00015 | N/A |
| Cobalt Compounds | 0.003 | 0.003 | N/A |
| Ethyl Benzene (CAS No. 100-41-4) | 1.05 | 2.24 | 9.0 |
| Glycol Ether | 7.36 | 13.97 | 9.0 |
| Manganese Compounds | 0.05 | 0.05 | N/A |
| Methanol (CAS No. 67-56-1) | 0.22 | 0.22 | 9.0 |
| Nickel Compounds | 0.0002 | 0.0002 | N/A |
| Toluene (CAS No. 108-88-3) | 1.58 | 3.85 | 9.0 |
| Xylenes (CAS No. 1330-20-7) | 5.51 | 11.57 | 9.0 |
| Source wide HAPs | 15.77 | 31.90 | 22.5 |

SOURCE DESCRIPTION:

An application was received on October 3, 2007 for a minor permit modification to the Progress Rail Services Corporation facility at Mayfield, Kentucky. The facility will be installing an additional paint booth and three aqueous based cabinet-style turntable metal parts washers. Descriptions for the previously authorized paint booths and blast booth were revised. The types and amounts of coating to be used at each paint booth were updated. Refer to Statement of Basis for further details.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The surface coating lines will be required to use coatings that contain less than 3.5 lb/gal of VOC as applied in order to be exempt from the VOC control standard specified in 401 KAR 59:225, Section 3. The paint booth filters shall be in place and operating efficiently at any time coatings are being applied. The facility will be subject to source wide limits of 9 tons and 22.5 tons per consecutive 12-month period for individual and combined HAP emissions. The facility will be subject to a source wide limit of 245 tons per consecutive 12-month period for NO_x emissions. Compliance with these emission caps will preclude applicability of 40 CFR 63.3880 to 63.3981 (Subpart M), “National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products”, incorporated by reference in 401 KAR 63:002 and 401 KAR 51:017, Prevention of Significant Deterioration.

OPERATIONAL FLEXIBILITY:

The permittee may use any paint system with VOC less than 3.5 lb/gal. The VOC content of a paint system is as-applied including thinners and solvents added. The paint system and clean-up solvent must not violate the 12-month rolling total HAP emissions limits.